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State of Utah

JON M. HUNTSMAN, JR.
Governor

GARY HERBERT
Lieutenant Governor

Department of
Environmental Quality

William J. Sinclair
Acting Executive Director

DIVISION OF WATER QUALITY
Walter L. Baker, P.E.
Director

C/007/041 Incoming
C/015/032
CC: Steve C.

February 17, 2009

Mr. Bruce Hill, President & CEO
Mr. David Shaver, Resident Agent
UtahAmerican Energy, Inc.
P.O. Box 910
East Carbon, UT 84520-0910

Subject: Inspection Reports – UPDES Permit Nos. UT0025640 (West Ridge Mine) and
UT0024368 (Crandall Canyon Mine).

Dear Mr. Hill and Mr. Shaver:

On February 3, 2009 I met with you and your authorized agent, Ms. Karla Knoop and conducted Reconnaissance and Compliance Sampling Inspections in regards to your UPDES Permit facilities referenced above. Specifically we discussed the current status and corrective action plans for each facility before sampling the discharging outfalls.

Enclosed are copies of the inspection reports for your records. Please review the "Deficiencies" and "Requirements" sections of each report and contact me with any questions. I appreciate your efforts to facilitate the inspection and keep me informed of the operations. If you have any questions, please contact me at (801) 538-6779 or by e-mail at jstudenka@utah.gov.

Sincerely,

Jeff Studenka, Environmental Scientist
UPDES IES Section

Enclosures

cc (w/encl): Darcy O'Connor, EPA Region VIII
Claron Bjork, SE District Health Department
Dave Ariotti, SE District Engineer
Daron Haddock, Division of Oil Gas & Mines

RECEIVED

FEB 19 2009

DIV. OF OIL, GAS & MINING

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United States Environmental Protection Agency
Washington, D.C. 20460

Water Compliance Inspection Report

Section A: National Data System Coding (i.e., ICIS)

Transaction Code [N]	NPDES [U][T][0][0][2][5][6][4][0]	yr/mo/day [0][9][0][2][0][3]	Inspection Type [S]	Inspector [S]	Fac. Type [2]
1	2	3	11	12	17
Remarks					
21					
66					
Inspection Work Days [] [2]	Facility Self-Monitoring Evaluation Rating [4]	BI [N]	QA [N]	Reserved	
67	69	70	71	72	73 74 75 80

Section B: Facility Data

Name and Location of Facility Inspected (For industrial users discharging to POTW, also include POTW name and NPDES permit number) West Ridge Resources, West Ridge Mine 794 North "C" Canyon Road, Carbon County, UT	Entry Time/ Date 9:25 am/ 2-3-2009	Permit Effective Date 5-1-2006
	Exit Time/ Date 10:35 am / 2-3-2009	Permit Expiration Date 4-30-2011
Name(s) of On-Site Representative(s)/Title(s)/Phone and Fax Number(s) Dave Shaver, Resident Agent, West Ridge Mine, (435) 888-4017 Karla Knoop, Hydrologist & Authorized Agent, jbr Environmental Consultants, Inc. phone (435) 637-9645, fax (435) 637-8679	Other Facility Data (e.g., SIC NAICS, and other descriptive information) Bituminous Coal Underground Mining Facility SIC Code 1222 NAICS 212112 SEE ATTACHED	
Name, Address of Responsible Official/Title/Phone and Fax Number Bruce Hill, President and CEO UtahAmerican Energy, Inc. P.O. Box 1077 Price, UT 84501 (435) 888-4000	Contacted <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

Section C: Areas Evaluated During Inspection (Check only those areas evaluated)

<input checked="" type="checkbox"/> Permit	<input checked="" type="checkbox"/> Self Monitoring Program	<input type="checkbox"/> Pretreatment	<input type="checkbox"/> MS4
<input checked="" type="checkbox"/> Records/Reports	<input type="checkbox"/> Compliance Schedule	<input type="checkbox"/> Pollution Prevention	
<input checked="" type="checkbox"/> Facility Site Review	<input type="checkbox"/> Laboratory	<input type="checkbox"/> Storm Water	
<input checked="" type="checkbox"/> Effluent/Receiving Waters	<input type="checkbox"/> Operations & Maintenance	<input type="checkbox"/> Combined Sewer Overflow	
<input checked="" type="checkbox"/> Flow Measurement	<input type="checkbox"/> Sludge Handling/Disposal	<input type="checkbox"/> Sanitary Sewer Overflow	

Section D: Summary of Findings/Comments

(Attach additional sheets of narrative and checklists, including Single Event Violation codes, as necessary)

SEV Codes [A][0][0][1][2]	SEV Description Numeric Effluent Violations
[] [] [] [] []	
[] [] [] [] []	
[] [] [] [] []	

Name(s) and Signature(s) of Inspector(s) JEFF STUDENKA, ENVIRONMENTAL SCIENTIST 	Agency/Office/Phone and Fax Number(s) DWQ (801) 538-6779	Date: 2-13-09
Name and Signature of Management Q A Reviewer MIKE HERKIMER, MANAGER UPDES IES SECTION 	Agency/Office/Phone and Fax Number(s) DWQ (801) 538-6058	Date: 2/18/09

Water Compliance Inspection Report

Section A: National Data System Coding (i.e., ICIS)

[illegible]

Section B: Facility Data

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Name, Address of Responsible Official/Title/Phone and Fax Number		SEE ATTACHED	
Bruce Hill, President and CEO UtahAmerican Energy, Inc. P.O. Box 1077 Price, UT 84501 (435) 888-4000		Contacted Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	



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(Attach additional sheets of narrative and checklists, including Single Event Violation codes, as necessary)

SEV Codes	SEV Description
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<input type="text"/>	
<input type="text"/>	
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Name(s) and Signature(s) of Inspector(s) JEFF STUDENKA, ENVIRONMENTAL SCIENTIST 	Agency/Office/Phone and Fax Number(s) DWQ (801) 538-6779	Date: 2-13-09
Name and Signature of Management Q A Reviewer MIKE HERKIMER, MANAGER UPDES IES SECTION 	Agency/Office/Phone and Fax Number(s) DWQ (801) 538-6058	Date: 2/18/09

INSPECTION PROTOCOL

UPDES Permit #: UT0025640 - West Ridge Mine
Inspection Type: Reconnaissance Inspection + Compliance Sampling
Inspection Date: February 3, 2009
Weather Conditions: Sunny and mild, ~ 40 °F.

Jeff Studenka of the Division of Water Quality (DWQ) met with Dave Shaver and Karla Knoop at the UtahAmerican Energy, Inc., West Ridge Mine (West Ridge) facility. The purpose for the site visit was to perform reconnaissance and compliance sampling inspections as a result of recent elevated total iron concentrations and coal fines in the mine water discharge.

FACILITY DESCRIPTION

Location: 794 North "C" Canyon Road, near East Carbon, Utah
Coordinates: Outfall 001 – 39° 36' 45" North latitude, 110° 26' 26" West longitude
Outfall 002 – 39° 36' 58" North latitude, 110° 26' 10" West longitude

Average Flow: ~ 1 MGD (Outfall 002, mine water discharge)

Receiving water: "C" Canyon Ephemeral Drainage → Grassy Trail Creek

Process: Underground coal mining operation utilizing long-wall technology. Water from the mine is conveyed to a below ground collection area, where it is then continuously pumped out of the mine and discharged to the surface via Outfall 002. Surface water runoff is conveyed to an above ground settling pond system with a single discharge point (Outfall 001). Outfall 001 has not discharged to date.

INSPECTION SUMMARY

This reconnaissance inspection was limited to outside the mine where the water collection and distribution systems are exposed. The two outfall locations were observed as well as the receiving waters of "C" Canyon Drainage. At the time of the inspection, the mine water discharge was the only flow in "C" Canyon and the discharge was not observed downstream in Grassy Trail Creek, which was dry. The discharge appeared to be slightly turbid and light gray in color with black coal fines deposited along the edges of the stream channel. As planned, DWQ collected discharge compliance grab samples @ 10:30 am from Outfall 002 for TDS, TSS, total iron, and oil & grease parameters and the results will be compared to the February 2009 DMR as soon as both are available. Photos were also collected and are attached herein with a photo log.

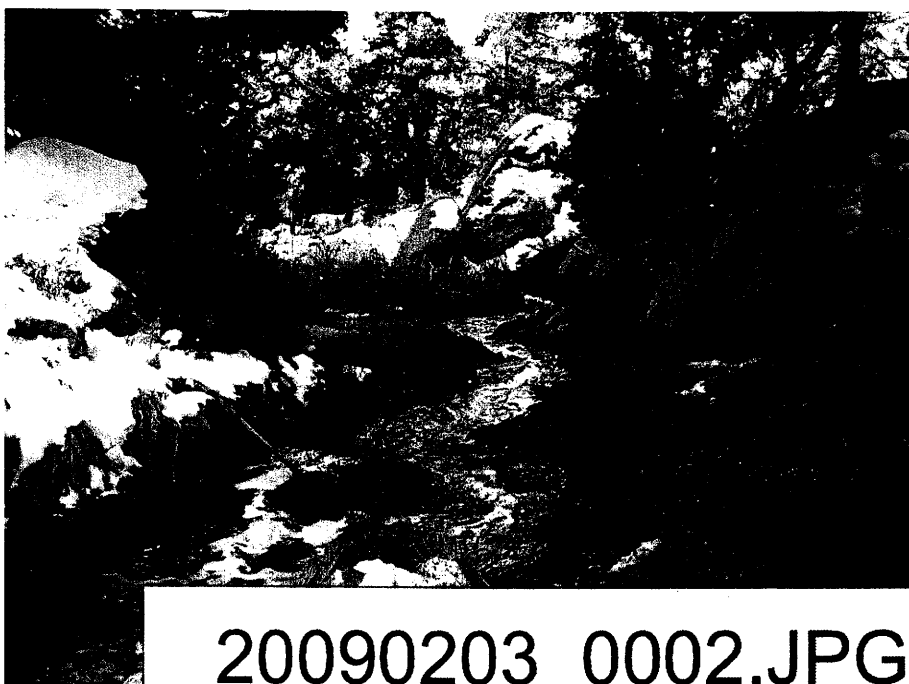
OBSERVATIONS

As noted above, the discharge appeared to be slightly turbid and light gray in color with black coal fines deposited along the edges of the stream channel downstream beyond the mining permit boundary.

West Ridge Mine 2-3-2009

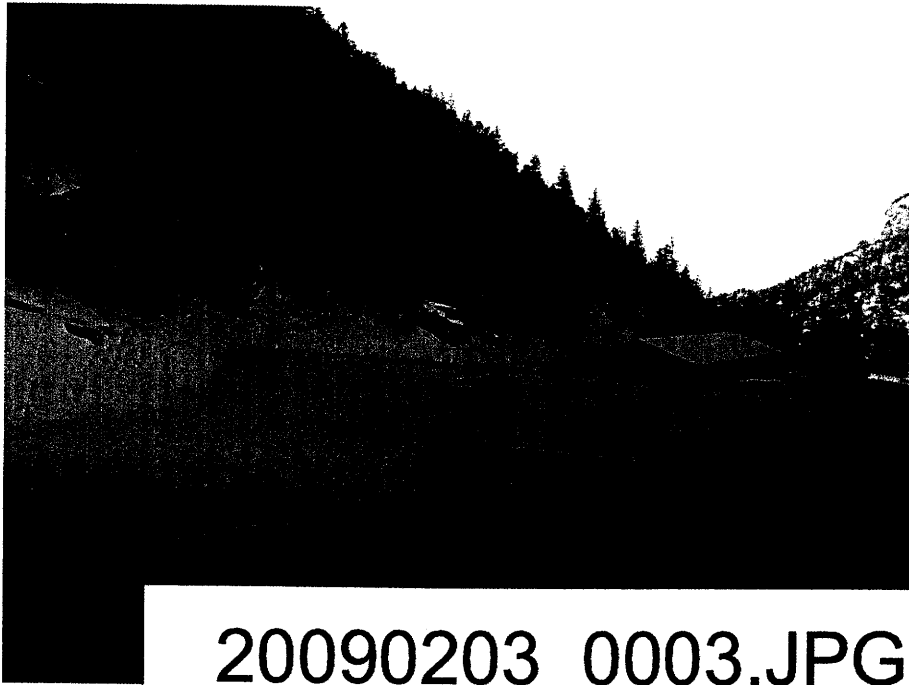


20090203_0001.JPG



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West Ridge Mine 2-3-2009

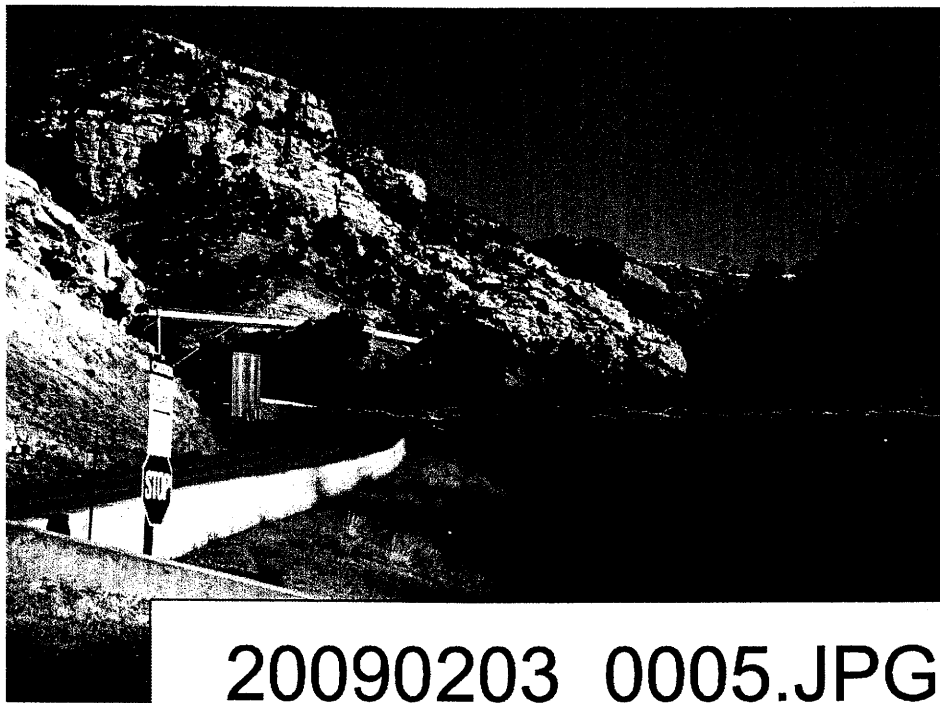


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West Ridge Mine 2-3-2009



20090203_0005.JPG

PHOTO LOG

West Ridge Resources Coal Mine (UT0025640) 2-3-2009

Photo #1: View of discharging effluent outfall 001.

Photo #2: Looking downstream from outfall 001.

Photo #3: Sedimentation pond & outfall 002, facing southwest.

Photo #4: View of discharging effluent in "C" Canyon Drainage, just outside the main entrance gate.

Photo #5: View of coal mine operations from main office building, facing northeast.

END (Photos taken by J. Studenka)



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Washington, D.C. 20460

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Transaction Code [N] [] 1 2	NPDES [U][T][0][0][2][4][3][6][8] 3 11	yr/mo/day [0][9][0][2][0][3] 12 17	Inspection Type [S] 18	Inspector [S] 19	Fac. Type [2] 20
Remarks 21 66					
Inspection Work Days [] [] [2] 67 69	Facility Self-Monitoring Evaluation Rating [4] 70	BI [N] 71	QA [N] 72	Reserved 73 74 75 80	

Section B: Facility Data

Name and Location of Facility Inspected (For industrial users discharging to POTW, also include POTW name and NPDES permit number) Crandall Canyon Mine (a.k.a. Genwal Resources, Inc.) UtahAmerican Energy, Inc. ~1.5 miles up Crandall Canyon off Hwy. 31 in Huntington Canyon NW of Huntington, UT	Entry Time/ Date 12:00 pm/2-3-2009	Permit Effective Date 12-1-2005
	Exit Time/ Date 12:45 pm/2-3-2009	Permit Expiration Date 11-30-2010
Name(s) of On-Site Representative(s)/Title(s)/Phone and Fax Number(s) Karla Knoop, Hydrologist & Authorized Agent, jbr Environmental Consultants, Inc. phone (435) 637-9645, fax (435) 637-8679	Other Facility Data (e.g., SIC NAICS, and other descriptive information) Bituminous Coal Underground Mining Facility SIC Code 1222 NAICS 212112 SEE ATTACHED	
Name, Address of Responsible Official/Title/Phone and Fax Number Bruce Hill, President UtahAmerican Energy, Inc. P.O. Box 1077 Price, UT 84501 (435) 888-4008	Contacted <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

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Name and Signature of Management Q A Reviewer MIKE HERKIMER, MANAGER UPDES IES SECTION 	Agency/Office/Phone and Fax Number(s) DWQ (801) 538-6058	Date: 2/18/09



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Water Compliance Inspection Report

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Remarks 21 66					
Inspection Work Days [] [2] 67 69	Facility Self-Monitoring Evaluation Rating [4] 70	BI [N] 71	QA [N] 72	Reserved 73 74 75 80	

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Name(s) and Signature(s) of Inspector(s) JEFF STUDENKA, ENVIRONMENTAL SCIENTIST 	Agency/Office/Phone and Fax Number(s) DWQ (801) 538-6779	Date: 2-13-08
Name and Signature of Management Q A Reviewer MIKE HERKIMER, MANAGER UPDES IES SECTION 	Agency/Office/Phone and Fax Number(s) DWQ (801) 538-6058	Date: 2/18/08

INSPECTION PROTOCOL

UPDES Permit #: UT0024368 – Genwal Resources Crandall Canyon Mine
Inspection Type: Reconnaissance Inspection + Compliance Sampling Inspection
Inspection Date: February 3, 2009
Weather Conditions: Sunny and mild, ~ 40 °F.

Jeff Studenka of the Division of Water Quality (DWQ) visited the UtahAmerican Energy, Inc., Crandall Canyon Mine Facility (a.k.a. Genwal Resources, Inc.) and met with Karla Knoop, authorized agent for the facility. The purpose for the site visit was to perform reconnaissance and compliance sampling inspections as a result of recent elevated total iron concentrations in the mine water discharge.

FACILITY DESCRIPTION

Location: Within Manti-LaSal National Forest, approximately 1.5 miles up Crandall Canyon, off Hwy. 31 in Huntington Canyon, near Huntington, Utah

Coordinates: Outfall 001 – 39° 27' 38" latitude, -111° 09' 38" longitude
Outfall 002 – 39° 27' 38" latitude, -111° 09' 59" longitude

Average Flow: ~ 0.8 MGD (Outfall 002)

Receiving water: Crandall Creek to Huntington Creek

Process: Former underground coal mining operation. Water from the inactive mine is gravity conveyed to below ground settling areas, where it is then piped out of the mine and discharged to the Crandall Creek culvert (Outfall 002). Surface water is conveyed to an above ground settling pond with a discharge point (Outfall 001) to Crandall Creek.

INSPECTION SUMMARY

There were no deficiencies noted during the last inspection for follow up. This inspection was limited to outside the mine where the water collection and distribution systems are exposed. At the time of the inspection, the sedimentation pond contained a considerable amount of ice and snow, but was well below discharge levels. The outfall locations were observed as well as the receiving waters of Crandall Creek, which was flowing mostly clear and steady at the time of the inspection, however some rust-colored deposits were observed immediately adjacent to the Crandall Canyon culvert and Outfall 002, which is likely from the elevated iron in the effluent discharge. As planned, DWQ collected discharge compliance grab samples @ 12:10 pm from Outfall 002 for TDS, TSS, total iron, and oil & grease parameters and the results will be compared to the February 2009 DMR as soon as both are available. Photos were also collected and are attached herein with a photo log.

Crandall Canyon Mine 2-3-2009

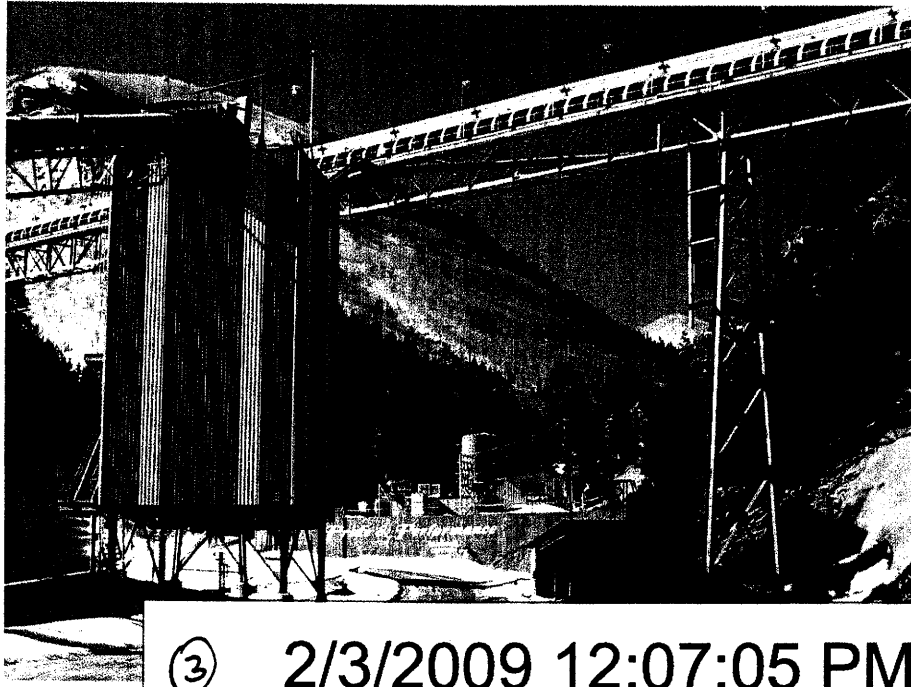


① 2/3/2009 12:03:37 PM



② 2/3/2009 12:03:49 PM

Crandall Canyon Mine 2-3-2009



③ 2/3/2009 12:07:05 PM



④ 2/3/2009 12:22:59 PM

PHOTO LOG

West Ridge Resources Coal Mine (UT0025640) 2-3-2009

Photo #1: Partial view of sedimentation pond former coal mine operations, facing west.

Photo #2: View of discharging effluent into Crandall Canyon Creek.

Photo #3: View of former coal mine operations, facing west.

Photo #4: View of mine water discharge sampling station, facing east.

END (Photos taken by J. Studenka)